

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 5 | ("20040061230" "6908829").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:05 |
| L2 | 19 | ("20040061230" "5413962" "5695810" "5708303" "5900668" "5953626" "6667552" "6696758" "6908829").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:05 |
| L3 | 1359 | 257/762.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:06 |
| L4 | 1438 | 257/750.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:15 |
| L5 | 4247 | 257/758.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:19 |
| L6 | 95 | interconnect and ((cobalt or nickel) with via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:40 |
| L7 | 95 | L6 and metal | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:40 |
| L8 | 95 | L7 and layers | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:40 |
| L9 | 51 | L8 and (electroless adj deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:40 |
| L10 | 51 | L9 and ((cobalt or nickel) near\$3 via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:40 |

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| L11 | 51 | L10 and (electroless adj deposition) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:40 |
| L12 | 0 | (apparatus and ((first adj layer) with interconnect) and ((second adj layer) with interconnect) and ((second adj layer) with sublayer) and (sublayer with ILD) and (sublayer with air) and ((third adj layer) with (air adj gap)) and (shunt with (first adj material)) and (shunt with interconnects) and (material with electromigration)).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:53 |
| S1 | 963 | 257/762.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:06 |
| S2 | 1175 | 257/750.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:15 |
| S3 | 2970 | 257/758.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:19 |
| S4 | 2 | ("5695810").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/28 18:52 |
| S5 | 1 | ("0168747").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/28 18:52 |
| S6 | 1 | ("20030168747").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/28 19:01 |
| S7 | 53 | (air adj gap) and interconnect and ILD | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/12 13:20 |

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| S8 | 2 | S7 and (via with (cobalt or nickel)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/28 19:02 |
| S9 | 0 | ("6667552").URPN. | USPAT | OR | ON | 2004/11/28 19:11 |
| S10 | 22 | ("4898841" "4954214" "5117276" "5413962" "5483104" "5708303" "5882963" "5900668" "5936295" "5950102" "5953626" "6037248"). PN. OR ("6245658").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/28 19:12 |
| S11 | 13 | S10 and (air adj gap) | US-PGPUB; USPAT; USOCR | OR | ON | 2004/11/28 19:12 |
| S12 | 0 | (air adj gap) and interconnect and ILD and ((cobalt or nickel) with via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 17:19 |
| S13 | 0 | (air adj gap) and interconnect and ((cobalt or nickel) with via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 17:19 |
| S14 | 60 | interconnect and ((cobalt or nickel) with via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/12 13:31 |
| S15 | 60 | S14 and metal | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/12 13:22 |
| S16 | 60 | S15 and layers | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/12 13:22 |
| S17 | 32 | S16 and (electroless adj deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/12 13:23 |
| S18 | 32 | S17 and ((cobalt or nickel) near\$3 via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/12 13:31 |
| S19 | 32 | S18 and (electroless adj deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 16:55 |
| S20 | 87 | interconnect and ((cobalt or nickel) with via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 16:55 |

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| S21 | 87 | S20 and metal | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 16:55 |
| S22 | 87 | S21 and layers | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 16:55 |
| S23 | 47 | S22 and (electroless adj deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 16:55 |
| S24 | 47 | S23 and ((cobalt or nickel) near\$3 via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 16:55 |
| S25 | 47 | S24 and (electroless adj deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:19 |
| S26 | 1301 | 257/762.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 17:07 |
| S27 | 1403 | 257/750.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 17:12 |
| S28 | 4056 | 257/758.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 17:15 |
| S29 | 0 | (air adj gap) and interconnect and ILD and ((cobalt or nickel) with via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 17:19 |
| S30 | 0 | (air adj gap) and interconnect and ((cobalt or nickel) with via) and (electroless with deposition) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 17:20 |
| S31 | 31 | (air adj gap) and interconnect and ((cobalt or nickel) with via) and (electroless with deposition) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 17:20 |

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| S32 | 0 | (apparatus and ((first adj layer) with interconnect) and ((second adj layer) with interconnect) and ((second adj layer) with sublayer) and (sublayer with ILD) and (sublayer with air) and ((third adj layer) with (air adj gap)) and (shunt with (first adj material)) and (shunt with interconnects) and (material with electromigration)).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/19 19:53 |
| S33 | 0 | (apparatus and ((first adj layer) with interconnect) and ((second adj layer) with interconnect) and ((second adj layer) with sublayer) and (sublayer with ILD) and (sublayer with air) and ((third adj layer) with (air adj gap)) and (shunt with (first adj material)) and (shunt with interconnects) and (material with electromigration)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 17:24 |